Special Issue

Candida spp. and Their Virulence

Message from the Guest Editor

The genus Candida includes several species able to colonize and proliferate in different habitats. Although Candida albicans continues to be the most common agent of human infection, other species have emerged as important pathogens, such as Candida glabrata or Candida parapsilosis, and, lately, Candida auris. The plasticity of the biological traits of Candida spp. relies on their association to microbiotas in a commensal way of life. However, when they shift into aggressive agents of infection, especially in the susceptible human host, and when resistant to the available therapeutics. The virulence with which Candida species cause damage to the host is strongly linked to the characteristics of each Candida species, their ability to survive, and the armamentarium to escape or subvert the immune system. Irrespective of their virulence, the engagement of the immune response by these pathobionts can be a major contributor for immune-inflammatory diseases.

This Special Issue aims to detail the characteristics of Candida spp., their interaction with the immune system, and the consequences of this interaction to human health.

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"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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